

Serial No. 10/662,485

PATENT
Docket No. 56946.022800AMENDMENTS TO THE CLAIMS

Claim 1 (Previously presented): An electronic display for presenting airspeed data of an aircraft, comprising:

an electronic airspeed tape having a scrolling nonlinear scale emulating the view of a mechanical drum gauge;

wherein the mechanical drum gauge view is maintained upon scrolling of the tape to display a current value of the airspeed.

Claim 2 (Original): The electronic display of claim 1, wherein said airspeed data of an aircraft is centered on a showing of said nonlinear scale on said display.

Claim 3 (Original): The electronic display of claim 1, wherein said display is configured to emulate the view of a mechanical drum gauge in units of knots.

Claim 4 (Original): The electronic display of claim 3, wherein said airspeed data of an aircraft is centered on a showing of said nonlinear scale of 140 knots on said display.

Claim 5 (Original): The electronic display of claim 1, further comprising an indicated airspeed window showing the current airspeed of said aircraft.

Claim 6 (Original): The electronic display of claim 5, wherein said indicated airspeed window is comprised of a shaped pointer.

Claim 7 (Original): The electronic display of claim 5, wherein said indicated airspeed window is comprised of an enlarged display of at least a portion of said electronic airspeed tape.

Claim 8 (Original): The electronic display of claim 5, wherein said indicated airspeed window is comprised of a black background.

Claim 9 (Original): The electronic display of claim 1, wherein said nonlinear scale is configurable from a lower limit to an upper limit.

Claim 10 (Original): The electronic display of claim 9, wherein said lower limit is fixed.

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Claim 11 (Original): The electronic display of claim 9, wherein said upper limit is fixed.

Claim 12 (Original): The electronic display of claim 9, wherein said lower limit is 0 (zero) knots.

Claim 13 (Original): The electronic display of claim 9, wherein said configurable lower limit is bounded by 0 (zero) to 100 (one hundred) knots.

Claim 14 (Original): The electronic display of claim 9, wherein said upper limit is 999 knots.

Claim 15 (Previously presented): An electronic display for presenting altitude data of an aircraft, comprising:

an electronic altitude tape having a scrolling nonlinear scale emulating the view of a mechanical drum gauge;

wherein the mechanical drum gauge view is maintained upon scrolling of the tape to display a current value of the altitude.

Claim 16 (Original): The electronic display of claim 15, wherein said altitude data of an aircraft is centered on a showing of said nonlinear scale on said display.

Claim 17 (Original): The electronic display of claim 15, wherein said display is configured to emulate the view of a mechanical drum gauge in units of feet.

Claim 18 (Original): The electronic display of claim 17, wherein said altitude data of an aircraft is centered on a showing of said nonlinear scale of 1,200 (one thousand and two hundred) feet of altitude on said display.

Claim 19 (Original): The electronic display of claim 15, wherein said display is configured to emulate the view of a mechanical drum gauge in units of meters.

Claim 20 (Original): The electronic display of claim 19, wherein said altitude data of an aircraft is centered on a showing of said nonlinear scale measured in meters approximately equivalent to 1,200 feet of altitude on said display.

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Claim 21 (Original): The electronic display of claim 15, wherein display is configurable to emulate the view of a mechanical drum gauge in units of feet or in units of meters

Claim 22 (Original): The electronic display of claim 15, further comprising an indicated altitude window showing the current altitude of said aircraft.

Claim 23 (Original): The electronic display of claim 22 wherein said indicated altitude window is comprised of an enlarged display of at least a portion of said electronic altitude tape.

Claim 24 (Original): The electronic display of claim 22, wherein said indicated altitude window is comprised of a numeric display of the current altitude of said aircraft.

Claim 25 (Original): The electronic display of claim 24, wherein said numeric display is an electronic emulation of a mechanical rolling numeric display.

Claim 26 (Original): The electronic display of claim 22, wherein said indicated altitude window is comprised of a black background.

Claim 27 (Previously presented): An electronic display for presenting heading data of an aircraft, comprising:

an electronic heading tape having a scrolling nonlinear scale emulating the view of a mechanical drum gauge;

wherein the mechanical drum gauge view is maintained upon scrolling of the tape to display a current heading.

Claim 28 (Original): The electronic display of claim 27, wherein said electronic heading tape emulation of the view of a mechanical drum gauge is comprised of text markings of "N", "W", "S", and "E" at 360.degree., 270.degree., 180.degree., and 90.degree. headings, respectively.

Claim 29 (Original): The electronic display of claim 27, further comprising a heading window showing the current heading of said aircraft.

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Claim 30 (Original): The electronic display of claim 29, wherein said current heading of said aircraft is selected from the group consisting of true heading and magnetic heading.

Claim 31 (Original): The electronic display of claim 29, wherein said showing the current heading of said aircraft is comprised of a "T" to indicate a display of true heading of said aircraft.

Claim 32 (Original): The electronic display of claim 29, wherein said heading window is comprised of a shaped pointer.

Claim 33 (Original): The electronic display of claim 29, wherein said heading window is comprised of an enlarged display of at least a portion of said electronic heading tape.

Claim 34 (Original): The electronic display of claim 29, wherein said heading window is comprised of a numeric display of the current heading of said aircraft.

Claim 35 (Original): The electronic display of claim 29, wherein said heading window is comprised of a black background.

Claim 36 (Previously presented): An electronic display for presenting data of an aircraft, comprising:

an electronic tape having a scrolling nonlinear scale emulating the view of a mechanical drum gauge;

wherein the mechanical drum gauge view is maintained upon scrolling of the tape to display a current value of the data.

Claim 37 (Original): The electronic display of claim 36, further comprising a window showing the current data of said aircraft.

Claim 38 (Original): The electronic display of claim 37, wherein said window is comprised of a shaped pointer.

Claim 39 (Original): The electronic display of claim 37, wherein said window is comprised of a numeric display of the current data of said aircraft.

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Claim 40 (Original): The electronic display of claim 37, wherein said window is comprised of a black background.

Claim 41 (New): An electronic display presenting data of an aircraft, the display comprising:
an electronic tape having a scrolling nonlinear scale having moving scale tick marks, wherein current data is shown at a middle portion of the electronic tape and spacing between the scale marks decreases nonlinearly as the distance of the scale tick marks from the middle portion increases thereby emulating a mechanical drum gauge to a viewer.

Claim 42 (New): The display of claim 41 wherein the data presented is dynamic heading data.

Claim 43 (New): The display of claim 41 wherein the data presented is dynamic altitude data.